



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
PECFA BUREAU
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<http://www.commerce.state.wi.us>
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Jim Doyle, Governor
Cory L. Nettles, Secretary

Wisconsin Department of Commerce Bureau of PECFA

Bid Document

SECTION 1 - Scope of Work:

The Bureau of PECFA is seeking competitive bids to perform remedial action services on a petroleum release from a regulated petroleum product storage tank system. This bid is through a specified work scope. The site upon which bids are being solicited is:

Bid Round Number: 28
Comm Number: 53119-9999-14-A
BRRTS Number: 03-68-196496
Site Name: The Kettle
Site Address: 214 Grove St Eagle WI

Project Manager: Nancy Ryan
Project Manager address: PO Box 408 Plymouth WI 53073-0408
Project Manager phone: 920-892-8756
Project Manager e-mail address nancy.ryan@dnr.state.wi.us

Bid Announcement Date	10/13/03
Questions or requests for information must be submitted in writing and received by:	10/27/03 4:00 PM
Responses to the questions will be posted (and if requested, sent in writing) by:	11/14/03
Bid End Date and Time:	11/28/03 by Noon

The case file including report(s) and other pertinent information upon which bids are being sought, and the qualified bid response, when determined, are available for inspection at:

Department of Natural Resources, 1155 Pilgrim Rd, Plymouth WI

Please contact the project manager listed above for an appointment.

Copies of report(s) and other pertinent information may be available for purchase at the location listed below. If pertinent information is not available, please contact the project manager

Ikon Office Solutions, 205 E Wisconsin Ave Ste. 400, Milwaukee WI 53202

Phone: 414-276-7077

Fax: 414-276-7119

SECTION 2 – Site-Specific Bid Specification Requirements:

A) Project Manager Comments

1) General Comments:

The Kettle Gas Station is an active station located in the Village of Eagle, Waukesha County, on a small parcel approximately 9,900 square feet in size. The property has operated as a gas station since 1980 and currently contains three 6,000- to 10,000-gallon unleaded gasoline underground storage tanks (UST) that were installed in 1980 and upgraded in 1998. Groundwater monitoring wells exhibit free product beneath much of the western portion of the site, with measured thickness averaging between 6 and 22 inches in four wells. A Village of Eagle municipal water supply wells is located approximately 150 feet to the north of the site.

Site geology consists predominantly of sand and gravel to a depth of approximately 25-30 feet below ground surface (bgs) at most locations, underlain by silty sands to the maximum boring depth of around 50 feet bgs. Discontinuous clay and fill overlie the sand and gravel units beneath the station property, but appear to be missing under the highway and properties to the west. Depth to bedrock is approximately 75 feet. Depth to the groundwater table is approximately 30-35 feet bgs, and groundwater flow is southwestward. Based on baildown tests, the estimated hydraulic conductivity of the silty sand unit ranges from 1.9×10^{-5} to 4.3×10^{-6} cm/s.

2) The following Environmental Factor(s) were identified in the Site Investigation Report for this site:

- ☐ Documented expansion of the plume margin.
- ☐ Verified contaminant concentrations in a private or public potable well that exceeds the preventive action limit established under ch. 160, Stats..
- ☐ Contamination within bedrock or within 1 meter of bedrock.
- ☒ Petroleum product that is not in the dissolved phase is present with a thickness of .01 feet or more, and verified by more than one sampling event.
- ☐ Documented contamination discharges to a surface water or wetland.

3) Minimum Remedial Requirements:

General Summary of Scope of Work:

Task 1 – pilot test the feasibility of vacuum lift pumping (VLP) for multi-phase extraction of contamination,

Task 2 – free-product recovery during remedial planning phase of project, and

Task 3 – documentation and reports.

TASK 1:

1) Install two (2) 4-inch diameter recovery wells screened from approximately 28-45 feet bgs. Continuously log geology and field screen for volatile organic compounds to bottom of each borehole. Locate one well between monitoring

wells MW-2 and MW-4 and the other between MW-4 and MW-9. Be prepared to make special arrangements with the local utility companies to accommodate drilling in the vicinity of overhead or underground utility lines (see attached site layout figure). WDNR approval of the well locations will be required prior to construction. Construct and develop the wells in accordance with NR 141, Wisconsin Administrative Code, and applicable WDNR guidelines, using schedule 40 PVC casing and screen. Both well heads must be completed with a flush-mount vault and the well casings must be capped so as to allow the attachment of VLP equipment and instrumentation. (Other well construction methods and materials will be considered if documented in technical literature).

2) Conduct a VLP pilot test on each of the recovery wells installed in Step 1, following WDNR guidance and acceptable practices documented in technical literature. Install additional pilot test monitoring points as appropriate to determine the lateral and vertical radius of influence and identify potential areas/conduits where induced airflow might circumvent the zone of contamination. Utilize the existing monitoring well network to the extent possible to monitor the influence of vacuum applied to the recovery wells.

The VLP pilot test is essentially the same as a soil vapor extraction (SVE) pilot test, with the major differences being: a VLP drop tube inserted into the well to focus the vacuum at the free-product/groundwater interface (see attached well diagram), and recovery of free-product/liquid in addition to the vapors that are vented during SVE. During VLP, free-product is initially drawn from the recovery well as a column of liquid until the free-product surface is lowered to the drop-tube intake. At that point, the vacuum and resulting airflow to the recovery well propagate outward into the geologic formation, and free-product is pulled into the drop-tube as droplets that are drawn to a surface collection vessel by the high airflow moving up through the drop-tube.

3) Measure and record free-product and water recovery rates and total volume of each extracted during the pilot test. This will likely require some form of gauge/instrument or viewing port attached to the liquid knockout/collection tank utilized for the test. In addition, the pilot test equipment utilized by the bidder must allow for variation of vacuum/airflow rate in order to optimize test results. (It is unlikely that a commercial vacuum truck can be used to conduct the VLP pilot test and, if proposed, will be considered non-compliant with this bid unless the WDNR and Commerce can be convinced that one would provide the required data.).

4) Quantify contaminant emissions discharged during the VLP pilot test using acceptable in-field measuring techniques and laboratory analysis of representative samples for VOCs and benzene as needed for WDNR air management discharge permitting requirements.

5) Following completion of VLP pilot testing, measure and record free-product recharge rate into each recovery well.

6) The bidder must provide a schematic of the pilot test equipment (including down-the-well components) and procedural description with enough detail to show the WDNR and Commerce how the bidder plans to conduct the pilot test and collect the required data.

TASK 2:

1) Conduct free-product recovery at the recovery wells installed in Task 1 and at any other groundwater monitoring well on site with free-product thickness greater than 0.1 inches. For bidding purposes, plan for free product recovery at the two new wells and four existing groundwater monitoring wells (MW-2, 4, 8, and 9). The free-product recovery shall occur twice a week for a period of three (3) months (=24 events), but may be reduced to a lesser frequency based on the rate/volume of free-product recharge to the wells. The winning bidder must provide a brief summary of collection activities to the WDNR/Commerce after the first week of recovery efforts. For bidding purposes, plan for four hours per event. Groundwater/product elevations shall be recorded at all site wells immediately prior to each recovery event and again at the end of the day in all the free-product wells. Product recovery quantities shall be recorded for each well for each event. The bid must include product/groundwater disposal costs based on an estimate of 200 gallons product/water per event. Minimize the volume of extracted water to the extent practicable.

2) One (1) month after completion of the three months of pumping events, conduct one (1) round of groundwater sampling at all groundwater monitoring wells (assume 14 wells) that do not contain free-product and analyze the samples for petroleum volatile organic compounds. Measure groundwater/product elevations at all wells, prepare a groundwater flow map and table(s) of all elevation data collected.

TASK 3:

Upon completion of Tasks 1 and 2, prepare and submit a report documenting the results of the pilot test, product recovery and groundwater monitoring, including (but not limited to) the data requirements listed above, soil boring logs, well construction and development forms, site maps/figures/tables, waste disposal documentation, etc. Evaluate the pilot test results and free product recovery data and present site-specific issues, conclusions, and recommendations regarding remedial options for free-product remediation at the site (including potentially feasible options not considered as part of this bid).

Provide a separate breakdown of consulting and commodity costs for each Task as an attachment(s) to the bid response, but present the total consultant and contractor costs on the 1st page of the bid response.

B) Bidder's Strategy for Remedial Action

- 1) Identify the remedial strategy for a specified work scope.
- 2) Specifically describe what element of your proposed strategy will address the environmental factors/risk factors listed above. Also describe how, when, and why it will address them.
- 3) Provide a detailed description of the work to be performed. The description shall provide sufficient detail to establish that the proposed strategy will be successful in achieving a specified work scope identified above.

a) The detailed description may include, but is not limited to the following:

- Technologies

- Estimated years of operation
 - Estimated tons of soil
 - Approximate geometry/depth of excavation
 - Reporting details
 - Estimated years of monitoring
 - Frequency of sampling/number of wells/parameters
- 4) Specifically describe how you will address off-site contamination, if applicable.
- 5) Specifically describe how you will address any direct contact hazards, if applicable.

SECTION 3 - Conditions of Bid:

The successful bidder will be the entity that complies with all provisions of the bid specification and provides the lowest total cost, excluding interest and claim preparation costs, for the site-specific bid specification requirements described in Section 2. PECFA funding under s. 101.143, Stats., will terminate when the responsible agency determines that institutional controls and notices, if utilized, would achieve a closed remedial status. PECFA funding will terminate regardless of whether the responsible party or other properties accept an institutional control and notices as required under §NR 726 Wis. Admin. Code. In preparing the bid, the bidder must assume compliance with all applicable codes, including but not limited to §Comm 46, §Comm 47, and §NR 700 Wis. Admin. Codes.

The successful bidder will be determined based upon conformance to and competitiveness under the bid protocol. The first determination will be whether the bidder has complied with all provisions of the bid. These bids will be considered responsive. From the responsive bids, the lowest total cost bid with an approvable approach to a specified work scope will be determined. Claim preparation costs will not be a part of the cost cap established by this bid. These costs (\$500 maximum per claim submittal) are still eligible for PECFA reimbursement and Commerce encourages timely claim submittals at appropriate milestones. Therefore, bidding consultants should not include claim preparation costs in their bid responses.

The successful bid will be available to be viewed at the location identified in Section 1. If two or more bidders tie in the cost comparison, the bid with the lowest consulting cost will be used as the tiebreaker. All bid documents must be signed and sealed by a Professional Engineer, Professional Geologist, Hydrologist or Soil Scientist licensed by the State of Wisconsin Department of Regulation and Licensing.

The Department reserves the right to reject any and all bids that meet any of the following conditions:

- The Department believes the remedial strategy is not appropriate to a specific geologic setting.
- From the standpoint of program operations or regulatory responsibility, the Department determines it is in the best interest of the program to not accept any or all bids.

Any proposed technology or methods used in the remediation must be allowed for use in the State of Wisconsin and approvable by the Department with jurisdiction (Natural Resources or Commerce).

The name of the successful bidder, bid amount, proposed outcome and supporting documentation will be provided to the site claimant along with instructions to inform the PECFA program in writing of their intent to either:

- Use the lowest identified bidder or
- Use another service provider.

In either case, PECFA reimbursement is capped at the dollar amount of the successful bid.

A successful bid does not mean or guarantee that all costs in a resultant claim are eligible, reasonable, necessary or reimbursable under the PECFA program.

If a bidder fails to comply with a bid provision the bid response will be determined to be non-responsive. If the bid response is responsive, but not the lowest cost service provider with an appropriate approach, it will be determined to be “non-successful.” Non-responsive and non-successful bidders will not be individually informed of their failure to achieve compliance with the bid specifications or to be the lowest bidder.

The successful bidder may be required to provide input to, and attend a meeting with the PECFA program and the claimant to explain the bid and the remedial approach.

Appeals, by bidders, of decisions regarding complying bids or costs are not allowed, as they do not constitute claimant reimbursement decisions under the PECFA program.

In compliance with this invitation to bid and subject to all conditions thereof, the signatory agrees to the following:

- If the signatory's bid is determined to be successful, the signatory must, within 15 days of the Department's notification, contact the claimant and confirm that they will provide the remedial services at the cost described within the Bid Response.
- That for a period of 90 days, starting with the Department's notification to the claimant, the signatory will hold firm their commitment to provide the remedial services and prices set forth in the Bid Response.

Failure to abide with the conditions stated above may result in exclusion from future PECFA Public Bidding events.

Questions, answers and interpretations will be considered an amendment of this solicitation. All answers and interpretations shall be in writing from the Program Manager identified in Section 1 of this solicitation. Neither the program nor the Department shall be legally bound by any amendments or interpretations that are not in writing. Bidders are not to contact other personnel located within the Department of Commerce/Bureau of PECFA concerning the site or the bid solicitation between the Bid Announcement Date and Bid Ending Date. After the date by which questions must be submitted by, identified in Section 1, no further questions will be addressed.

A written response will be provided at: <http://www.commerce.state.wi.us/ER/ER-PECFA-SiteBidding.html> (and mailed to all requesters of the bid package who are not

able to access the web site, and who therefore request written correspondence from the program contact).

SECTION 4 - Closure Specifications – If Applicable:

A bid submitted must provide the total cost, excluding interest but including all closure costs, for the remediation up to approval as a closed remedial action status identified below:

Unrestricted Closure

Closure with a NR 140 exemption

Closure with GIS Registry*

Closure with deed notice*

Closure with deed restriction*

Closure with NR 720.19 soil standards

Performance based NR 720.19 closure

Closure with site-specific conditions

Closure under NR 726.07

Closure under Comm 46/NR 746

Mass reduction

** **Note:** PECFA funding under s. 101.143, Stats., will terminate when the responsible agency determines that institutional controls and notices, if utilized, would achieve a closed remedial status. PECFA funding will terminate regardless of whether the responsible party or other properties accept an institutional controls and notices as required under NR 726. PECFA eligible costs may include all closure costs, up to approval as a closed remedial action (i.e. monitoring well abandonment) that are otherwise eligible for reimbursement.*

If the PECFA maximum award for the site/occurrence is not believed to be adequate to remediate the site/occurrence to a closed or no further remedial action status, that belief must be specifically noted in the bid and the remedial effort that will be achieved by the bid amount. For the purpose of the competitive bid the contaminant mass is determined to be: **Not Applicable**. The basis for specifying the progress shall be contaminant mass reduction and be based upon the mass reduction at the following points on the site:

Not Applicable

If the site is reasonably expected to exceed its cap under the PECFA program, bidders may propose mass reduction, the lowest bidder will be determined on the basis of a cost per mass reduction ratio. If some bidders propose mass reduction and others propose costs to bring the site to a closed remedial action or no further action status, selection will be from those bidders proposing a closed or no further action result.

SECTION 5 - Instructions to Bidders:

By submission of a bid, bidder agrees that during the period following issuance of this solicitation and prior to notification of successful bidder, bidders shall not discuss the bid or bid process except with the program contact designated in this solicitation. Bidders shall not discuss or attempt to negotiate with the claimant, other potential bidders or program staff any aspects of the bid without prior approval of the Project Manager specified. Infractions will result in rejection of the violator's bid and may also result in disqualification of the individual to provide bids and a formal complaint being lodged with the Department of Regulation and Licensing.

The bid submitted shall address all the site specific bid specification requirements identified in Section 2. The bid shall support in detail the strategy to achieve a specified work scope, or remedial mass reduction goal if applicable. A full remedial action plan is

not required as part of the bid submittal. A full remedial action plan may be requested by the program.

If access to the site is necessary for the preparation of a bid, access shall be arranged through the Project Manager. If the Project Manager is not able to arrange site access, this fact will not delay the bid process or negate the comparison and potential selection from among the bids that are submitted. All costs associated with a site visit or preparation of a bid will be the responsibility of the bidder.

The Bid Process must conform to the following:

1. If applicable, the closed remedial or no further action status to be achieved must be stated using the options available from the list provided in Section 4.
2. Indicate in the Bid Response a contaminant mass reduction proposal if the PECFA maximum award is not believed to be adequate to remediate the site/occurrence.
3. The Bid Response shall address all the site specific bid specification requirements identified in Section 2 and shall support in sufficient detail and succinctly the remedial strategy.
4. The total cost (in dollars) to accomplish the stated remedial goal, including all fees, reporting cost, pre and post closure costs and costs for establishing restrictions or institutional controls but, excluding claim preparation costs, interest, and investigation costs.
5. The costs specified in #4 shall separately identify consulting (non-commodity) costs.
6. The submittal must include an original and two (2) copies of the Bid Response documents signed and sealed by a Professional Engineer, Professional Geologist, Hydrologist or Soil Scientist licensed by the State of Wisconsin. Include the appropriate registration number of the professional license.
7. Bids can not be "faxed" directly to the program. Documents received by fax will not be accepted or considered.
8. Bids, amendments thereto or withdrawal requests must be received by the time advertised for bid opening. It is the bidder's sole responsibility to insure that these documents are received by the contact at the time indicated in this solicitation document.
9. All specifications or descriptive papers provided with the bid submission must include the bidder's telephone number and Commerce number thereon. Identify the name of the consulting firm on the 1st Page of the Bid Response.
10. The Commerce Number must be on the outside of the envelope in which the bid is submitted. The Department assumes no responsibility for unmarked or improperly marked envelopes. All envelopes received showing a bid number will be placed directly under locked security until the date and time of opening. Include only one Bid Response (an original and two (2) copies) per envelope.
11. Correction of errors on the bid form: All prices and notations shall be printed in ink, typewritten or computer printed. Errors shall be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of correction fluid will be cause for rejection. No bid shall be altered or amended after the time specified for the bid end date.
12. Bidders are not to contact other personnel located within the Department of Commerce/Bureau of PECFA concerning the site or the bid solicitation between the Bid Announcement Date and Bid Ending Date.
13. Any proposed technology or methods used in the remediation must be allowed for use in the State of Wisconsin and approvable by the Department with jurisdiction (Natural Resources or Commerce).

14. From the standpoint of program operations or regulatory responsibility, the Department determines it is in the best interest of the program to not accept any or all bids.
15. If bidders consider the bid response to be proprietary information and exempt from disclosure, each part of the Bid Response must clearly marked *CONFIDENTIAL*. If any part is designated as confidential, there must be attached to that part an explanation of how the information is proprietary. The Department reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the State, Department or its agents for its determination in this regard.
16. The Bid Response must be appropriate to the site geologic setting.
17. Ambiguous bids, which are uncertain as to cost, time or compliance with this solicitation, will be rejected.
18. The Department reserves the right to reject any and all bids, and/or to cancel this solicitation at any time.
19. Each bidder shall fully acquaint itself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this solicitation. The failure or omission of a bidder to acquaint themselves with existing documented conditions shall in no way relieve any obligation with respect to this bid.
20. All amendments to and interpretations of this solicitation shall be in writing from the Project Manager. Neither the Department nor the program shall be legally bound by any amendment or interpretation that is not in writing.
21. This solicitation is intended to promote competition. If the language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested bidders to notify the program in writing so as to be received five days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to award.

BID RESPONSE
(1st Page)

Department of Commerce PECFA Program

SITE NAME: The Kettle
COMMERCE NUMBER: 53119-9999-14
BRRTS NUMBER: 03-68-196496

Submit Bid To Cathy Voges
Department of Commerce PECFA Program
201 W Washington Ave, Madison WI 53703-2790 or
P.O. Box 8044, Madison WI 53708-8044

Bidder Company: _____
Bidder Address: _____

Telephone () - _____
Number:
Fax Number: () - _____
e-mail Address: _____

Bidder: (check one that applies):

_____ Professional Engineer	_____ License #
_____ Professional Geologist	_____ License #
_____ Hydrologist	_____ License #
_____ Soil Scientist	_____ License #

Seal

Signature: _____

I certify that I have the authority to commit my organization or firm to the performance of the bid I have submitted.

Print Name: _____

Title: _____

Total Bid Cost \$ _____

Total Consulting Cost (subpart of Total Bid) \$ _____

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)].

BID RESPONSE

(2nd Page)

Department of Commerce PECFA Program

SITE NAME:	The Kettle
COMMERCE NUMBER:	53119-9999-14
BRRTS NUMBER:	03-68-196496

Consulting Firm phone number () ____-____

This response must address all of the site-specific specifications identified in Section 2, and shall support in detail the remedial strategy. Attach additional pages if necessary. *The Commerce Number and Consulting Firm telephone number must be included on all additional pages.*